

# Data Handling

**Q1.** The number of employees working in 21 offices of a building were recorded and the mean, median and mode values for the data were calculated as follows:

$$\text{Mean} = 10$$

$$\text{Median} = 12$$

$$\text{Mode} = 5$$

Fill in the blanks with the correct number based on the information given above:

- The average number of workers working in each office = \_\_\_\_\_.
- In most of the offices there are \_\_\_\_\_ employees.
- Ten offices have more than or equal to \_\_\_\_\_ employees.

**Q2.** The following table shows the height of girls in a class:

<b>Height (in cm)</b>	130	145	147	150
<b>No. of girls</b>	6	8	4	3

Find the modal height.

Answer: \_\_\_\_\_

**Q3.** Find the mean of first 10 whole numbers.

Answer: \_\_\_\_\_

**Q4.** Find the value of  $x$  in the following data :

$$5, 7, x + 2, x, 9$$

If the mean of the data is calculated as follows:

- If the mean is 7:

$$x = \underline{\hspace{2cm}}$$



**Q9.** The percentage of income spent under various heads by a family is shown in the table below:

Expense	% of total income
Food	40%
Clothing	10%
Health	10%
Education	15%
Miscellaneous	25%

Draw a bar graph for the data given above and fill in the blanks:

- The maximum amount is spent on \_\_\_\_\_.
- The family spends equal amount of money on \_\_\_\_\_ and \_\_\_\_\_.
- If the monthly income is ₹10,000, ₹ \_\_\_\_\_ is spent on education.
- Miscellaneous expenses amount to \_\_\_\_\_% of the total income.

**Q10.** The following table gives information about the number of runs scored by Sachin in six matches.

Match	Runs Scored
1	57
2	65
3	54
4	59
5	64
6	61

Represent the information using a line graph and state true or false for the statements given below:

- Sachin scored more than 50 runs in all six matches. \_\_\_\_\_
- In four matches Sachin scored more than 60 runs. \_\_\_\_\_
- He scored a half century in all six matches. \_\_\_\_\_
- Total runs scored in six matches is 370. \_\_\_\_\_

# Answers

1. a. 10; b. 5; c. 12
2. 145 cm
3. 4.5
4. a.  $x = 6$ ; b.  $x = 11$
5. 8.5 km
6.  $p = 4$ ; Mean = 8
7. (a)
8. a. 123; b. 126, 128; c. 127; d. 128.5; e. 120
9. a. Food; b. Clothing and health; c. ₹1500; d. 25%



10. a. True; b. False; c. True; d. False

